

Title (en)  
Front body structure for vehicle

Title (de)  
Vorderstruktur eines Fahrzeuges

Title (fr)  
Structure avant de véhicule automobile

Publication  
**EP 1312535 A3 20031217 (EN)**

Application  
**EP 02021749 A 20020925**

Priority  
JP 2001349231 A 20011114

Abstract (en)  
[origin: EP1312535A2] A front body structure includes a front-wheel movement promoting mechanism arranged between a front wheel (22) and a suspension member (19) that promotes a backward movement of the front wheel (22) when a collision load (F1) is applied to the front wheel (22) while being accompanied with a backward deformation of the outer end (12a) of a bumper reinforcement (12). The front-wheel movement promoting mechanism may be a notch (35) formed in the suspension member (19) to allow the front wheel (22) to move backward in early stages of the collision. Then, the front wheel (22) interferes with an outrigger (15) and a side sill (14), preventing a vehicle cabin from being deformed. <IMAGE>

IPC 1-7  
**B62D 21/15**

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**B60G 2204/4302** (2013.01 - EP US); **B60G 2206/016** (2013.01 - EP US); **B60G 2206/122** (2013.01 - EP US)

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